

ANNUAL REPORT

2022-23



SCIENCE COLLEGE

Kokrajhar, BTR, Assam, India, 783370



Provincialised by
Govt. of Assam



Affiliated to
Bodoland University



Recognised by
University Grants Commission (UGC), New Delhi



Accredited by
National Assessment and Accreditation Council (NAAC), Bangalore

About the College

Science College, Kokrajhar was established in the year 1995 by the people of this locality with a vision to become a Centre of Excellence in Science Education and Research. Starting as an Institute of secondary education, the college is progressively upgraded to a post-graduate college. In the ride of the last 26 years, the college has grown up as an Institute of significance for the students of the entire Bodoland Territorial Region as well as the other parts of Assam, West Bengal and international students from Bhutan and Bangladesh. At present, the college is offering under-graduate B.Sc., B.Sc. (IT), BPT as well as post-graduate courses in different subjects in physical mode and different other courses like BA, B.Com., MA, M.Com., MCA, etc., through distance learning mode.

The college is affiliated to Bodoland University, accredited by NAAC, recognized by UGC under 2(f) and 12B of the UGC Act. and Provincialized by the Govt of Assam. As a co-educational institute, the college has nine departments viz. Physics, Chemistry, Mathematics, Botany, Zoology, Computer Science, Information Technology, Physiotherapy and English. Additionally, the college has faculties of Literature and Journalism also. As a part of ISR, the college has Digital Physiotherapy Clinic, Soil and Water Testing Centre, Institutional Biotech-Hub, etc.

General profile of the College

1. Name and Address of the College:	Science College, Kokrajhar
2. Year of Establishment:	1995
3. Institutional Status:	Provincialized
4. Award, Recognition, Accreditation:	Accredited with B Grade (CGPA: 2.54) by NAAC (2016) ISO (9001:2015) certified
5. Programmes offered:	UG: B.Sc., B. Sc. (IT), B.P.T. PG: M.Sc. in Botany and Zoology H.S. (Science)

Vision of the College

- To become a centre of excellence in science education.

Mission of the College

- To create students of science with good quality, positive attitude & perfect blend of knowledge.
- To create good citizens of tomorrow, with their dedication to excellence.
- To support the students to bloom their dreams.
- To create healthy students - centered teaching-learning environment.
- To make research a momentous activity involving society and teaching- learning community.
- To provide infrastructure and learning resources for quality education and research activities
- To sustain academic excellence.

Objective of the College

- To ensure the highest quality of teaching and learning so that taught programmes reflect the latest development in their subject areas and are responsive to the changing needs of the society.
- To enhance reading and learning capabilities among faculties and students and to inculcate sense of life-long learning.
- To sustain a caring, supportive climate throughout the College.
- To undertake measures for building leadership capacities through academic programmes, campus activities and community involvement.
- To strive for sustainable development undertaking research and consultancy on the challenges the region is facing.

Internal Quality Assurance Cell

IQAC, Science College, Kokrajhar make self-assessment of the college on Teaching-Learning, Academic and Administrative quality sustenance and development by taking feedback from students, parents, staffs, management, etc. on yearly basis or as per need.

Aim of IQAC:

- To develop a system of conscious, consistent and catalytic action to improve the academic and administrative performance of the college.
- To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.
- To develop quality benchmarks/parameters for various academic and administrative activities of the institution.
- To facilitate the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process.
- To arrangement for feedback response from students, parents and other stockholders on quality-related institutional process

The IQAC Committee:

As per the notification from Chairman, IQAC and Principal, Science College, Kokrajhar, the composition of the following members are activity functioning as IQAC as new committee.

Member	Name	Designation
Chairperson	Dr. R. N. Sinha	Principal, Science College, Kokrajhar
Co-Chairperson	Dr. S. Chakraborty	Vice Principal, Science College, Kokrajhar
Coordinator	Dr. Biswajit Nath	Assistant Professor, Deptt. of Chemistry
Joint-Coordinator	Mr. Babla Ch. Ghosh	Assistant Professor, Deptt. of IT
Member	Mr. Sudeep Dey	Assistant Professor, Deptt. of Mathematics
Member	Dr. Jahnovi Brahma	Assistant Professor, Deptt. of Botany
Member	Dr. Jwngma Narzary	Assistant Professor, Deptt. of Zoology
Member	Dr. Mehdi Al Kausor	Assistant Professor, Deptt. of Chemistry
Member	Mr. Safiqul Islam	Assistant Professor, Deptt. of Computer Sc.

Member	Dr. Femina Brahma	Assistant Professor, Deptt. of Physics.
Member	Dr. Mohesh Gogoi	Assistant Professor, Deptt. of Botany
Member	Dr. Kanchan K. Brahma	Assistant Professor, Deptt. of Physiotherapy
Member	Dr. Anuradha Singha	Librarian, Science College, Kokrajhar
Member	Mr. Rajib Barman	Jr. Administrative Assistant
Member	Dr. A.K. Brahma	Retd. Physician
Member	Mr. K.C. Boro	Engineer, Member Governing Body
Member	Dr. Mridula Devi	Member Governing Body
Member	G.S.	Student Union

Programmes offered by the College & intake capacity

The Major/Honors Courses are available in the following subjects:

Subjects	Intake Capacity	Subjects	Intake Capacity
Physics	35	Zoology	35
Chemistry	35	Computer Science	35
Mathematics	35	Information Technology	35
Botany	35		

Bachelor of Physiotherapy (BPT)

The Bachelor of Physiotherapy program is offered by Science College, Kokrajhar. The BPT course is designed to meet the Indian standards. The program is taught by qualified faculty and has a balanced exposure of both academic and clinical training.

The undergraduate program is for four and a half years. Eligibility: Higher Secondary in Science (10+2). Duration: 4 and ½ years. Intake capacity: 50

Certificate/ Diploma Courses

- (i) Certificate Course in Insect Pest Management, CCIPM (Dept. of Zoology)
- (ii) Certificate Course in Commercial Flower Production, CCCFP (Dept. of Botany)
- (iii) Certificate Course in Analytical Chemistry, CCAC (Dept. of Chemistry)
- (iv) Certificate Course in LaTeX, CCL (Dept. of Mathematics)
- (v) Certificate Course in Communicative English, CCCE (Dept. of English)

Extension Service (Distance Education)

Krishna Kanta Handiqui State Open University (KKHSOU)

Coordinator: Mr. B. Ch. Ghosh, M.Sc,(SET)

Science College, Kokrajhar has open the study centre of the Krishna Kanta Handiqui State Open University. The University has been recognized and academic programmes approved by the Distance Education Council (DEC), New Delhi Vide Letter No. DEC/Misci/07/5957, dated. 03-10-2007. The University will offer the following programmes :

Academic Programmes & Duration

- Bachelor of Computer Application (BCA): 3 (Three) Years/6 Semester
- Bachelor of Mass Communication (BMC): 3 (Three) Years
- Bachelor of Business Administration (BBA): 3 (Three) Years/6 Semester
- Bachelor of Commerce (B.Com.): 3 (Three) Years/6 Semester
- Bachelor of Arts (B.A.): 3 (Three) Years/6 Semester
- Master of Computer Application (MCA): 3 (Three) Years/6 Semester
- Master of Arts (MA) (Eng., Ass., Political Sc., Education): 2 (Two) Years/4 Semester

In addition to above, the University will also offer some diploma and Certificate courses in professional and Vocational areas to be notified from time to time.

Enrollment details

Sl. No.	Programme/Course	Number of students enrolled				Total
		Sem-I	Sem-III	Sem-V/3 rd Yr	VII/4 th Yr	
1	B. Sc.in Physics	07	26	16	NA	49
2	B. Sc.in Chemistry	23	31	25	NA	79
3	B. Sc.in mathematics	14	36	12	NA	62
4	B. Sc.in Botany	32	29	28	NA	89
5	B. Sc.in Zoology	32	28	32	NA	92
6	B. Sc.in Computer Sc.	9	11	9	NA	29
7	B. Sc.in I.T.	11	14	42	NA	67
8	B. Sc. (General)	0	0	4	NA	04
9	B.P.T.	15	18	47	16	96
10	M.Sc. in Botany	53	40	NA	NA	93
11	M.Sc. in Zoology	62	37	NA	NA	99
	Total					759
12	Certificate Course in Insect Pest Management, CCIPM (Dept. of Zoology)					20
	Certificate Course in Commercial Flower Production, CCCFP (Dept. of Botany)					40
	Certificate Course in Analytical Chemistry, CCAC (Dept. of Chemistry)					53
	Certificate Course in LaTeX, CCL (Dept. of Mathematics)					20
	Certificate Course in Communicative English, CCCE (Dept. of English)					49
	Certificate Course in Python Programming (Dept. of Computer Science)					28
	Certificate course on Occupational Health & Functional Ergonomics (Dept. of Physiotherapy)					14
	Certificate Course on Computer Application and Networking (Department of BSc. IT in collaboration with NIELIT)					42

Number of Students Enrolled in NSS

	Male	Female	Total
Number of students in NSS	19	13	32

Number of Students Enrolled in NCC

	Male	Female	Total
Number of students in NCC	26	08	34

Number of Students residing in Hostels

Sl. No.	Name of Hostel	Type	capacity	Student residing
1	Boys Hostel	Boys Hostel	55	46
2	Guest House	Girls Hostel	45	42
3	Martyr Helena Bala Bsumatary Girls Hostel	Girls Hostel	37	32
4	New Sudent Guest House	Girls Hostel	21	21

Details of Faculty Members

Total Faculty Members	Sanctioned	Non-sanctioned/ Guest Faculty	Faculty with Ph.D.
46	17	29	15

Teaching staffs participating in Faculty development Programmes (FDP), professional development /administrative training programs during 2022-2023

Type of Course	OP/FIP	RC	FDP	STC
No. of Faculty members attended	01	03	12	5

Sl. No.	Title of the FDP / professional development / training programs etc.	Dates (from-to) (DD-MM-YYYY)	Participated by
1	Professional Development Programme on 'Implementation of NEP 2020 for University and College Teachers, IIGNOU Staff Training and Research Institute of Distance Education New Delhi, Under PMMMNMTT	12/06/2023 - 20/06/2023	Dr. Sharmistha Chakraborty Mr. Sudeep Dey Dr. Sanjib Brahma Dr. Jahnvi Brahma Dr. Tribeni Mandal Dr. Biswajit Nath Dr. Mehdi Al Kausor
2	Refresher Course on Chemistry organized by HRDC, NEHU Shillong	31/10/2022 - 15/11/2022	Dr. Sharmistha Chakraborty
3	FDP on Research Methodology	06/05/2023 - 12/06/2023	Dr. Ashok Singh Dr. Anuradha Singha
4	Refresher Course on Managing Online Classes & Co- creating MOOCS 3.0, conducted by Teaching Learning Centre , Ramanujan College, University of Delhi, under the aegis of MINISTRY OF EDUCATION	07/02/2023 - 21/02/2023	Dr. Mehdi Al Kausor
5	Faculty Development Programme on ACADEMIC WRITING FOR RESEARCH, conducted by Teaching Learning Centre , Ramanujan College, University of Delhi,	15/02/2023 - 21/02/2023	Dr. Mehdi Al Kausor

	under the aegis of MINISTRY OF EDUCATION		
6	FDP on Introduction to Machine Learning and Deep Learning organized by National Institute Technical Teachers' Training and Research, Kolkata	27/3/23 - 31/3/23	Mr. Sudeep Dey
7	Four Week FIP/OP for Faculty of Universities/Colleges/Institutions of Higher Education	22/03/2023 - 20/04/2023	Dr. Monika Das
8	Online Two Week RC in Life Sciences organized by TLC, Ramanujan College, University of Delhi, in collaboration with Dept. of Chemistry, Miranda House, Under aegis of MoE, PMMMNMTT	17/03/2023 - 01/04/2023	Dr. Jahnovi Brahma
9	Application of Molecular Tools in Animal Disease Diagonosis and Research organized by Dept. of Veterinary Microbiology, College of Veterinary Science, Assam Agricultural University	11/10/2022 - 17/10/2022	Mr. Miniswring Bargaryary
10	Lab visit cum Hands on Training Programme at IASST	23/05/2023 - 24/05/2023	Mr. Sudeep Dey Dr. Ashok Singh Dr. Biswajit Nath Dr. Mehdi Al Kausor Mr. Babla Ch. Ghosh

Research Papers/Book Chapter published by Faculty members during 2022-2023

Publication in	Journal Papers		Book Publication	
	International	National	Book Chapter	Book
No. of publications by Faculty members	25	01	9	2

Sl. No.	Details of journal publication by faculty members
1	Broumi, S., Dhar, M. , Bakhouyi, A., Bakali, A., & Talea, M. (2022). Medical diagnosis problems based on neutrosophic sets and their hybrid structures: A survey. <i>Neutrosophic Sets and Systems</i> , 49(1), 1-18. https://digitalrepository.unm.edu/nss_journal/vol49/iss1/1
2	Dhar, M. (2022). Some Basic Concepts of Neutrosophic Soft Block Matrices. <i>Neutrosophic Sets and Systems</i> . 51, 46-59 https://digitalrepository.unm.edu/nss_journal/vol51/iss1/4
3	Ray, G. C., & Dey, S. (2022). Mixed multiset topological space and Separation axioms. <i>Indian Journal of Pure and Applied Mathematics</i> , 1-8. https://doi.org/10.1007/s13226-021-00091-y
4	Dey, S. , & Ray, G. C. (2023). Properties of redefined neutrosophic composite relation. <i>Neutrosophic Systems with Applications</i> , 7, 1-12. https://doi.org/10.61356/j.nswa.2023.27

5	Dey, S., & Ray, G. C. (2023). Separation axioms in neutrosophic topological spaces. <i>Neutrosophic Systems with Applications</i> , 2, 38-54. https://doi.org/10.61356/j.nswa.2023.9
6	Dey, S., & Ray, G. C. (2022) Covering properties in neutrosophic topological spaces. <i>Neutrosophic Sets and Systems</i> 51, 1. https://digitalrepository.unm.edu/nss_journal/vol51/iss1/34/
7	Dey, S., & Ray, G. C. (2022). Redefined neutrosophic composite relation and its application in medical diagnosis. <i>International Journal of Nonlinear Analysis and Applications</i> , 13(Special Issue for selected papers of ICDACT-2021), 43-52. http://dx.doi.org/10.22075/ijnaa.2022.6329
8	Goswami, P., Thakur, S. K. , & Chandra Ray, G. (2023). The structure of power digraph connected with the congruence $a^{11} \equiv b \pmod{n}$. <i>Proyecciones (Antofagasta)</i> , 42(2), 457-477. https://doi.org/10.22199/issn.0717-6279-5600
9	Thakur, S., Borah, S. M., Singh, A. , Saikia, D., & Adhikary, N. C. (2023). Roughness Effect on the Broadband Optical Performance and Extraordinary Local Field Enhancement in Metal Nanostructures. <i>Journal of Electronic Materials</i> , 52(7), 4878-4894. https://doi.org/10.1007/s11664-023-10422-w
10	Nath, B. , Basumatary, B., Wary, N., Basumatary, U. R., Basumatary, J., Rokhum, S. L., ... & Basumatary, S. (2023). Agricultural waste-based heterogeneous catalyst for the production of biodiesel: a ranking study via the VIKOR method. <i>International Journal of Energy Research</i> , 2023. https://doi.org/10.1155/2023/7208754
11	Nath, B. , Basumatary, B., Brahma, S., Das, B., Kalita, P., Rokhum, S. L., & Basumatary, S. (2023). Musa champa peduncle waste-derived efficient catalyst: Studies of biodiesel synthesis, reaction kinetics and thermodynamics. <i>Energy</i> , 270, 126976. https://doi.org/10.1016/j.energy.2023.126976
12	Basumatary, B., Brahma, S., Nath, B. , Basumatary, S. F., Das, B., & Basumatary, S. (2023). Post-harvest waste to value-added materials: Musa champa plant as renewable and highly effective base catalyst for Jatropha curcas oil-based biodiesel production. <i>Bioresource Technology Reports</i> , 21, 101338. https://doi.org/10.1016/j.biteb.2023.101338
13	Basumatary, S. F., Patir, K., Das, B., Saikia, P., Brahma, S., Basumatary, B., Nath, B. , ... & Basumatary, S. (2022). Production of renewable biodiesel using metal organic frameworks based materials as efficient heterogeneous catalysts. <i>Journal of Cleaner Production</i> , 358, 131955. https://doi.org/10.1016/j.jclepro.2022.131955
14	Al Kausor, M. , Gupta, S. S., Bhattacharyya, K. G., & Chakraborty, D. (2022). Montmorillonite and modified montmorillonite as adsorbents for removal of water soluble organic dyes: A review on current status of the art. <i>Inorganic Chemistry Communications</i> , 143, 109686. https://doi.org/10.1016/j.inoche.2022.109686
15	Ahmed, T., & Gupta, S. S. (2023). Synthesis, characterization and application of Bi ₂ Fe ₄ O ₉ -GO nanocomposite for the removal of methylene blue from aqueous effluent. <i>Azerbaijan Chemical Journal</i> , (2), 78-96. doi.org/10.32737/0005-2531-2023-2-78-96
16	Bhattacharjee, S., Brahma, F. , Parida, R. K., & Parida, B. N. (2023). Retraction Note to: Synthesis and characterization of revived double perovskite Ba _{0.5} Sr _{1.5} FeVO ₆ . https://doi.org/10.1007/s10854-023-10081-x
17	Narzary, R., Dey, B. , Chouhan, L., Kumar, S., Ravi, S., & Srivastava, S. K. (2022). Optical band gap tuning, zero dielectric loss and room temperature ferromagnetism in

	(Ag/Mg) co-doped SnO ₂ compounds for spintronics applications. <i>Materials Science in Semiconductor Processing</i> , 142, 106477. https://doi.org/10.1016/j.mssp.2022.106477
18	Narzary, R., Dey, B., Rout, S. N., Mondal, A., Bouzerar, G., Kar, M., ... & Srivastava, S. K. (2023). Influence of K/Mg co-doping in tuning room temperature d ₀ ferromagnetism, optical and transport properties of ZnO compounds for spintronics applications. <i>Journal of Alloys and Compounds</i> , 934, 167874. https://doi.org/10.1016/j.jallcom.2022.167874
19	Dey, B., Panda, S. K., Mallick, J., Sen, S., Parida, B. N., Mondal, A., ... & Srivastava, S. K. (2023). Observation of room temperature d ₀ ferromagnetism, bandgap narrowing, zero dielectric loss, dielectric enhancement in highly transparent p-type Na-doped rutile TiO ₂ compounds for spintronics applications. <i>Journal of Alloys and Compounds</i> , 930, 167442. https://doi.org/10.1016/j.jallcom.2022.167442
20	Dey, B., & Srivastava, S. K. (2022). Crystal structure, microstructure, optical, dielectric, and magnetic properties of TiO ₂ nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 33(30), 23506-23514. https://doi.org/10.1007/s10854-022-09111-x
21	Narzary, R., Dey, B., Sen, S., Parida, B. N., Mondal, A., Ravi, S., & Srivastava, S. K. (2022). Influence of Na/Mg co-doping in tuning microstructure, transport, optical, and magnetic properties of TiO ₂ compounds for spintronics applications. <i>Magnetochemistry</i> , 8(11), 150. https://doi.org/10.3390/magnetochemistry8110150
22	Dey, B., Rout, S. N., Kar, M., & Srivastava, S. K. (2023). Room temperature d ₀ ferromagnetism of Ag: ZnO compounds. <i>Journal of Superconductivity and Novel Magnetism</i> , 36(2), 657-663. https://doi.org/10.1007/s10948-023-06514-7
23	Dey, B., Narzary, R., Rout, S. N., Kar, M., Ravi, S., & Srivastava, S. K. (2023). Room temperature ferromagnetism, optical band gap widening in Mg-doped ZnO compounds for spintronics applications. <i>Ceramics International</i> , 49(22), 35860-35871. https://doi.org/10.1016/j.ceramint.2023.08.267
24	Das, T., Kalita, D. & Das, M. (2023). Effect of castor, <i>Ricinus communis</i> L. and banyan, <i>Ficus benghalensis</i> L. plants on economic traits of eri silkworm, <i>Samia ricini</i> Donovan (Lepidoptera: Saturniidae). <i>International Journal of Tropical Insect Science</i> 43, 217–224. https://doi.org/10.1007/s42690-022-00919-y
25	Talukdar, B., Jabeen, F. & Basumatary, S. (2023). A Study on the Food and Feeding Habits of the Chocolate Mahseer from Jiyabharali River of Sonitpur District, Assam, India. <i>Indian Journal of Natural Sciences</i> . 14(77), 53932–53934. https://tnsroindia.org.in/JOURNAL/issue77/ISSUE%2077%20APRIL%202023%20-%20FULL%20TEXT%20PART%2001.pdf
26	Gogoi, M. (2023). Biswa Pariwesh Divas & Guhalit Garu. <i>BioNE: E-Zine of Biological Sciences</i> , 25. http://babrone.edu.in/blog/?p=4715

Book Chapter published by Faculty members during 2022-2023

Sl. No.	Author/Dept.	Book title	Paper title	Year of publication	ISBN
1	Nath B, Dept. of Chemistry	<i>Advanced Materials from Recycled Waste</i>	Agricultural Waste: Sustainable Valuable Products	Elsevier/2023/International	978-1-11-977136-4
2	Al Kausor M, Dept. of Chemistry	<i>Basic Inorganic Chemistry</i>	Acids and Bases	Kripa Drishti Publications, Pune, India/2023/National	978-81-19149-01-8

3	Brahma J , Dept. of Botany	<i>Traditional knowledge system of the Bodos</i>	Customary application of herbal remedies by Bodo tribes	Pragya Media Type/2023/ National	978-93-93837-93-6
4	Al Kausor M , Dept. of Chemistry	<i>Photocatalysts and Electrocatalysts in Water Remediation: From Fundamentals to Full Scale Applications</i>	Photocatalytic Decontamination of Organic Pollutants from Water	John Willey & Sons/2022/ International	978-1-11-985531-6
5	Singh A K , Dept. of Physics	<i>Advance in Science and Technology</i>	Analysis of Rainfall events in the Northeast region of India	Mc Graw Hill Education Pvt. Ltd./2022/ National	978-93-0491-11-7
6	Brahma J , Dept. of Botany	<i>Biodiversity conservation</i>	Taxonomy and ethnobotany of some sacred plants found in Kokrajhar district, BTR, Assam	Mahaveer Publications, New Delhi/2022/ National	978-81-961-731-0-4
7	Adhikary H , Dept. of Botany	<i>Recent trends in biological sciences</i>	Taxonomy and ethnobotany of some sacred plants found in Kokrajhar district, BTR, Assam	ARBC/2023/ National	978-93-90706-39-6
8	Ray S , Dept. of Zoology	<i>Recent trends in biological sciences</i>	Comparative Analysis of food value of wild edible insects in Kokrajhar district, BTR, Assam	ARBC/2023/ National	978-93-90706-39-6
9	Chakrabarty S , Dept. of Zoology	<i>Recent trends in biological sciences</i>	Comparative Analysis of food value of wild edible insects in Kokrajhar district, BTR, Assam	ARBC/2023/ National	978-93-90706-39-6
10	Gogoi M , Dept. of Botany	<i>Nemu Kheti (1st Edition -January, 2019 & 2nd Edition-December, 2023)</i>		Purbayon Pbl/2019/2023/ National	978-93-88593-68-7
11	Gogoi M, Sapurna P J, Karmakar R and Borgoyary M , Institutional Biotech Hub,	<i>Lemon Cultivation: Its Scope and Future Prospects</i>		Accepted for Pbl/2023-2024/National	-

Science College, Kokrajhar				
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Activities/extension/outreach programmes conducted during 2022-23

Departments /Cell	Name of the workshop/seminar/conference	Date/From– To	Number of Participants
IQAC	National Conference on Science & Technology for Sustainable Development (STSD-2022), jointly organized by Science College, Kokrajhar & Vijnana Bharati, NESM, in collaboration with IASST, Guwahati & NECTAR, Shillong	09/09/2022- 10/09/2022	259
	Organized a workshop on Four Year Undergraduate (FYUG) Programme for the HS passed out students on	28/06/2023	110
Chemistry	Celebration of Azadi Ka Amrit Mahotsav: Lecture on Progress of Higher Education in India- Post Independence to Present Era by Dr. M. A. Kausor, Asst. Prof. Dept. of Chemistry, Science College, Kokrajhar	22/08/2022	65
	Celebration of World Water Day	25/03/23	78
	Celebration of Earth Week, 2023 on the Occasion of World Earth Day	22/04/2023- 28/04/2023	220
Mathematics	National Mathematics Day	22-12-2022	35
	International Pi Day Celebration	14/03/2023	30
Botany	Educational tour to Chakrasila Wildlife Sanctuary of Kokrajhar district, BTR, Assam.	22/09/2022	40
Zoology	A Workshop on Self Blood Group Determination	04/04/2023	223
	Awareness on Biological Diversity and its Conservation among the School Childrens of Primary level at No.162 Bhatarmari L. P. School, Kokrajhar on the occasion of International Day for Biological Biodiversity.	22/05/2023	46
	Visit to Sophisticated Analytical Instrumentation Laboratory (SAIF) NEHU Shillong	10/11/2022- 13/11/2022	32
	Field trip to Kakoijana Reserve Forest, Bongaigaon	26/11/2022	40
	Field Trip to Chakrashila Wildlife Sanctuary	01/04/2023	27
	Field trip to the Raimona National Park	17/05/2023	16
	Field Trip to Bogaigoan Fish Farm	26/05/2023	30
Physics	Departmental Students Seminar for Sem-V (Hon.)	18/11/2022	-
	Departmental Students Seminar for Sem-III (Hon.)	19/11/2022	-
	Departmental Students Seminar for Sem-IV (Hon.)	13/04/2023	-

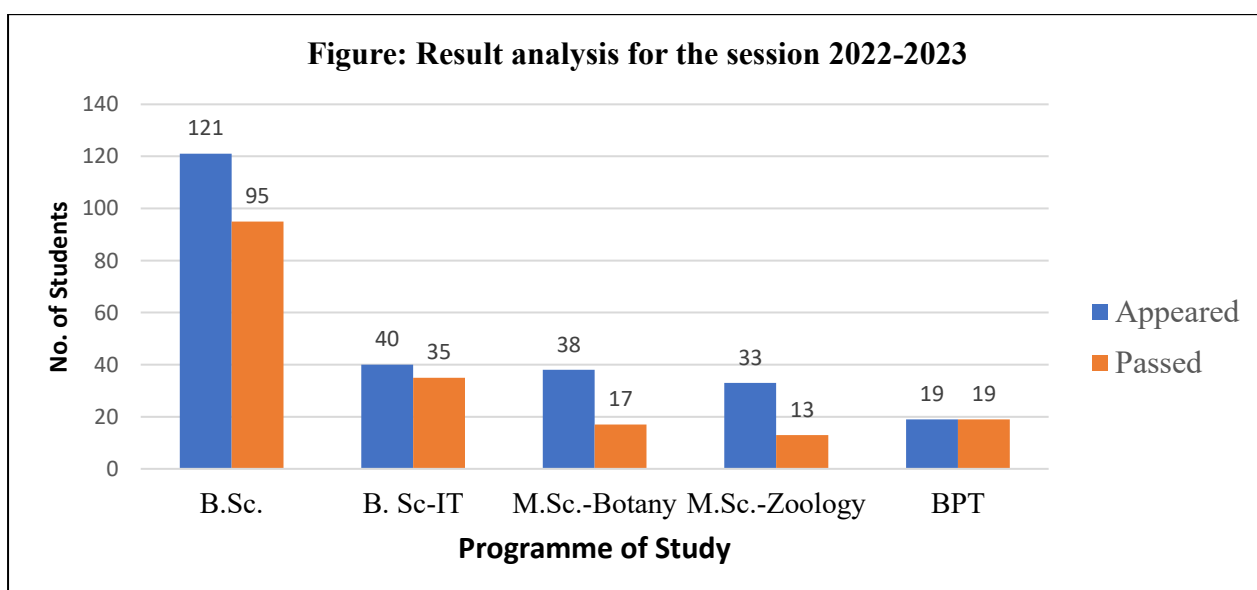
Physiotherapy	Awareness programme on communicable and non-communicable diseases in association with NERSWN (North East Research and Social Work Networking)	15/08/2022	42
	Celebration World Physiotherapy Day-2022. • Free Physiotherapy Health Camp • Intradepartmental quiz competition • Bi-cycle Rally	04/09/2022 07/09/2022 08/09/2022	20 22 28
	Educational tour to Shishu Sarothi - Centre for rehabilitation and training for Multiple Disability, Guwahati	21/12/2022	21
	Celebrated International Women's Day 2023 in association with Women Cell & Prevention of Sexual Abuse Cell by Organizing 'Self Defense Session' with Karate expert (3 rd DAN Black Belt) Smt. Rima Trishna Haloi, ACS, Asst. Commissioner Kokrajhar	15/03/2023	78

Result analysis and progression of students

In order to measure the attainment of Programme Outcomes (PO), the college evaluates the result of students of each Programme by means of statistical analysis.

The process for measuring the attainment of each PO is achieved by comparing the students' academic performance w.r.t. the no. of students passed against no. of students appeared in the exam. (ii) Comparing the year wise results of the students in graduation.

Result	B.Sc. (Hon./Gen.)	B.Sc. (IT)	B.P.T.	M.Sc. (Botany)	M.Sc. (Zoology)
Appeared	121	40	19	38	33
Passed	95	35	19	17	13
Pass %	78.5%	87.5%	100%	44.7%	39.4%



Ongoing Research Projects

Sl. No.	Title of the Project	Year of approval	Amount sanctioned in current year
2	Scientific approaches to develop Biopesticide for controlling <i>Citrus</i> diseases and standardize the products obtained from <i>Citrus limon</i> (L.) Burm f. (Biotech hub, Phase-II)	2023	31.552 Lakh

Income and Expenditures for session 2022-23

Financial income

Sl. No.	Item	Amount (in thousand)
1	Grants received From	
i	University Grants commission	3348.226
ii	Distance Education Council	0
iii	Other Central Govt. department	200.0
2	Grants received from State Govt.	5789.432
3	Grants received from University	362.085
4	Grants received from Local Bodies	120.0
5	Donations	0
6	Tuition Fee	0
i	Students in regular mode	1040.264
ii	Students in distance mode	0
7	Other Fee	0
8	Interests earned	417.232
9	Sale of application form	0
10	Other income	0
i	Payment on lodging and boarding from students	6415.11
ii	Other sources	53789.117
	TOTAL	71481.466

Financial expenditure

Sl. No.	Item	Amount (in thousand)
1	Salary, allowances and Retirement benefits	32623.634
2	Buildings (Construction & maintenance)	1014.603
3	Library and Laboratory	2772.006
4	Research activities	209.785
5	Scholarships	0
6	Other expenses	34861.438
	TOTAL	71481.466

Plan of Action for the Year 2022-2023

- Construction of ICT enable seminar hall.
- Upgradation of Central Instrumentation Facility by adding more sophisticated instruments.
- Signing of more MoUs with other institutions.
- Communication with Industries for CSR fund for upgradation of the facilities of the college.
- Completion of Common Computer Lab for the students.
- To reinstall solar panels for alternate power supply.
- Organization of popular talk/scientific lecture/motivational talk for the students.
- To encourage the faculty members for working quality research and publications.
- To encourage the faculty members to apply for more research grants.
-

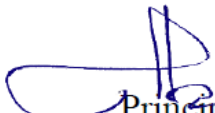
Few photographs of some important events in 2022-2023

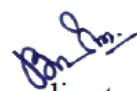









Principal
Science College, Kokrajhar
Science College, Kokrajhar


Coordinator, IQAC
Science College, Kokrajhar
Internal Quality Assurance Cell
Science College, Kokrajhar



Report prepared by:

Dr. Mehdi Al Kausor
Asstt. Professor, Dept. of Chemistry & Member, IQAC

Circulated by:

Internal Quality Assurance Cell (IQAC)
Science College, Kokrajhar, PO & Dist. Kokrajhar, Assam

Website:

www.sciencecollege.ac.in